

## WEST Search History

FILE COPY  
10/042,059

DATE: Sunday, August 25, 2002

Set Name Query  
side by sideHit Count Set Name  
result set*DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

L15	(chorismate mutase)same yeast	5	L15
L14	(chorismate mutase) and yeast	33	L14
L13	(chorismate mutase) and (hansenula polymorpha)	0	L13
L12	L8 and (chorismate mutase)	0	L12
L11	L7 and (chorismate mutase)	0	L11
L10	L6 and (chorismate mutase)	0	L10
L9	L5 and (chorismate mutase)	0	L9
L8	L4 and (hansenula polymorpha)	86	L8
L7	L3 and (hansenula polymorpha)	44	L7
L6	L2 and (hansenula polymorpha)	11	L6
L5	L1 and (hansenula polymorpha)	18	L5
L4	FMD	601	L4
L3	MOX	1022	L3
L2	FMD promoter	12	L2
L1	MOX promoter	18	L1

END OF SEARCH HISTORY

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10/042,059

# DIALOG

Set	Items	Description
S1	7616	MOX
S2	101	MOX (W) PROMOTER
S3	7556	FMD
S4	15	FMD (W) PROMOTER
S5	209	S1 AND (HANSENULA (W) POLYMORPHA)
S6	98	S2 AND (HANSENULA (W) POLYMORPHA)
S7	27	S3 AND (HANSENULA (W) POLYMORPHA)
S8	13	S4 AND (HANSENULA (W) POLYMORPHA)
S9	1	S1 AND (CHORISMATE (W) MUTASE)
S10	0	S2 AND (CHORISMATE (W) MUTASE)
S11	1	S3 AND (CHORISMATE (W) MUTASE)
S12	0	S4 AND (CHORISMATE (W) MUTASE)
S13	19	(CHORISMATE (W) MUTASE) AND (HANSENULA (W) POLYMORPHA)
S14	6	RD S13 (unique items)
?		

FILE COPY

PALM INTRANET

Day : Sunday  
Date: 8/25/2002  
Time: 12:42:41

10/042,059

## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.  
Additionally, enter the **first few letters** of the Inventor's First name.

Last Name

First Name

To go back use Back button on your browser toolbar.

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10/042,059

Day : Sunday  
Date: 8/25/2002  
Time: 12:42:41

## PALM INTRANET

## Inventor Name Search

Enter the **first few letters** of the Inventor's Last Name.

Additionally, enter the **first few letters** of the Inventor's First name.

**Last Name****First Name**

Braus

Gerhard

Search

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? t s9/medium

>>>"MEDIUM" is not a valid format name in file(s): 41

9/3/1 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

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133330560 CA: 133(24)330560v PATENT

Hansenula HAR07 gene and encoded chorismate mutase and its use as a selectable marker

INVENTOR(AUTHOR): Gellissen, Gerd; Braus, Gerhard; Pries, Ralph; Krappmann, Sven; Strasser, Alexander W.

LOCATION: Germany,

ASSIGNEE: Rhein Biotech Gesellschaft fur neue Biotechnologische Prozesse und Produkte

PATENT: PCT International ; WO 200065071 A1 DATE: 20001102

APPLICATION: WO 2000EP3844 (20000427) \*DE 19919124 (19990427)

PAGES: 63 pp. CODEN: PIXXD2 LANGUAGE: German CLASS: C12N-015/61A; C12N-009/90B; C12N-015/11B; C12N-015/86B; C12N-015/62B; C12N-001/21B; C12N-001/19B; C07K-016/14B DESIGNATED COUNTRIES: AE; AG; AL; AM; AT; AU; AZ; BA; BB; BG; BR; BY; CA; CH; CN; CR; CU; CZ; DE; DK; DM; DZ; EE; ES; FI; GB; GD; GE; GH; GM; HR; HU; ID; IL; IN; IS; JP; KE; KG; KP; KR; KZ; LC; LK; LR; LS; LT; LU; LV; MA; MD; MG; MK; MN; MW; MX; NO; NZ; PL; PT; RO; RU; SD; SE; SG; SI; SK; SL; TJ; TM; TR; TT; TZ; UA; UG; US; UZ; VN; YU; ZA; ZW; AM; AZ; BY; KG; KZ; MD; RU; TJ; TM DESIGNATED REGIONAL: GH; GM; KE; LS; MW; SD ; SL; SZ; TZ; UG; ZW; AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LU; MC; NL; PT; SE; BF; BJ; CF; CG; CI; CM; GA; GN; GW; ML; MR; NE; SN; TD; TG

? t s9/k

>>>KWIC option is not available in file(s): 41, 77, 399

? t s11/medium

>>>"MEDIUM" is not a valid format name in file(s): 41

11/3/1 (Item 1 from file: 399)

DIALOG(R)File 399:CA SEARCH(R)

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133330560 CA: 133(24)330560v PATENT

Hansenula HAR07 gene and encoded chorismate mutase and its use as a selectable marker

INVENTOR(AUTHOR): Gellissen, Gerd; Braus, Gerhard; Pries, Ralph; Krappmann, Sven; Strasser, Alexander W.

LOCATION: Germany,

ASSIGNEE: Rhein Biotech Gesellschaft fur neue Biotechnologische Prozesse und Produkte

PATENT: PCT International ; WO 200065071 A1 DATE: 20001102

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? t s14/medium/1-6

>>>"MEDIUM" is not a valid format name in file(s): 41

14/3/1 (Item 1 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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12592701 BIOSIS NO.: 200000346203

HAR07 encodes **chorismate mutase** of the methylotrophic yeast **Hansenula polymorpha** and is derepressed upon methanol utilization.

AUTHOR: Krappmann Sven; Pries Ralph; Gellissen Gerd; Hiller Mark; Braus Gerhard H(a)

AUTHOR ADDRESS: (a) Institut fuer Mikrobiologie und Genetik,  
Georg-August-Universitaet Goettingen, Grisebachstr. 8, D-37077,  
Goettingen\*\*Germany

JOURNAL: Journal of Bacteriology 182 (15):p4188-4197 August, 2000

MEDIUM: print

ISSN: 0021-9193

DOCUMENT TYPE: Article

RECORD TYPE: Abstract

LANGUAGE: English

SUMMARY LANGUAGE: English

14/3/2 (Item 2 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

(c) 2002 BIOSIS. All rts. reserv.

03997849 BIOSIS NO.: 000076083415

ENZYMIC PROPERTIES OF **CHORISMATE MUTASE** FROM **HANSENULA-POLYMORPHA**

AUTHOR: ESPINOSA M T; VAZQUEZ G; ESCALANTE L; SANCHEZ S

AUTHOR ADDRESS: DEP. BIOTECNOL., INST. INVESTIGACIONES BIOMED., UNIV.

NACIONAL AUTONOMA MEXICO, APARTADO POSTAL 70228, MEXICO 20, D. F.

JOURNAL: REV LATINOAM MICROBIOL 23 (4). 1981 (RECD. 1983). 225-228. 1981

FULL JOURNAL NAME: Revista Latinoamericana de Microbiologia

CODEN: RLMIA

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

14/3/3 (Item 3 from file: 5)

DIALOG(R)File 5:Biosis Previews(R)

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02419592 BIOSIS NO.: 000066002133

TRYPTOPHAN EXCRETION BY A BRADYTROPH OF **HANSENULA-POLYMORPHA**  
GROWING IN METHANOL

AUTHOR: SANCHEZ S; DEMAIN A L

AUTHOR ADDRESS: DEP. NUTR. FOOD SCI., MASS. INST. TECHNOL., CAMBRIDGE,  
MASS. 02139, USA.

JOURNAL: APPL ENVIRON MICROBIOL 35 (2). 1978 459-461. 1978

FULL JOURNAL NAME: Applied and Environmental Microbiology

CODEN: AEMID

RECORD TYPE: Abstract

LANGUAGE: ENGLISH

14/3/4 (Item 1 from file: 34)

DIALOG(R)File 34:SciSearch(R) Cited Ref Sci

(c) 2002 Inst for Sci Info. All rts. reserv.

08830855 Genuine Article#: 334ZM No. References: 71

Title: HAR07 encodes **chorismate mutase** of the methylotrophic yeast **Hansenula polymorpha** and is derepressed upon methanol utilization.

Author(s): Krappmann S; Pries R; Gellissen G; Hiller M; Braus GH (REPRINT)

Corporate Source: UNIV GOTTINGEN, INST GENET & MIKROBIOL, GRISEBACHSTR

8/D-37077 GOTTINGEN//GERMANY/ (REPRINT); UNIV GOTTINGEN, INST GENET &  
MIKROBIOL/D-37077 GOTTINGEN//GERMANY//; RHEIN BIOTECH GMBH,/D-40595  
DUSSELDORF//GERMANY//; UNIV DUSSELDORF, INST MICROBIOL/D-40225  
DUSSELDORF//GERMANY/

Journal: JOURNAL OF BACTERIOLOGY, 2000, V182, N15 (AUG), P4188-4197  
ISSN: 0021-9193 Publication date: 20000800  
Publisher: AMER SOC MICROBIOLOGY, 1752 N ST NW, WASHINGTON, DC 20036-2904  
Language: English Document Type: ARTICLE (ABSTRACT AVAILABLE)

14/3/5 (Item 1 from file: 73)  
DIALOG(R)File 73:EMBASE  
(c) 2002 Elsevier Science B.V. All rts. reserv.

11065815 EMBASE No: 2001083897  
The methylotrophic yeast **Hansenula polymorpha**: Its use in  
fundamental research and as a cell factory  
Gellissen G.; Veenhuis M.  
G. Gellissen, Rhein Biotech GmbH, Eichsfelder Strasse 11, 40595  
Dusseldorf Germany  
Yeast ( YEAST ) (United Kingdom) 2001, 18/3 (i-iii)  
CODEN: YESTE ISSN: 0749-503X  
DOCUMENT TYPE: Journal ; Conference Paper  
LANGUAGE: ENGLISH  
NUMBER OF REFERENCES: 12

14/3/6 (Item 1 from file: 357)  
DIALOG(R)File 357:Derwent Biotech Res.  
(c) 2002 Thomson Derwent & ISI. All rts. reserv.

0262965 DBA Accession No.: 2001-02541 PATENT  
Nucleic acids encoding **chorismate mutase**, useful for preparing  
an auxotrophic selection system for recombinant protein expression -  
involving plasmid pME1525-mediated **Hansenula polymorpha**  
gene transfer for expression in *Saccharomyces cerevisiae*, CHO, COS,  
HeLa or insect cell culture  
AUTHOR: Gellissen G; Braus G; Pries R; Krappmann S; Strasser A W  
CORPORATE SOURCE: Dusseldorf, Germany.  
PATENT ASSIGNEE: Rhein-Biotech 2000  
PATENT NUMBER: WO 200065071 PATENT DATE: 20001102 WPI ACCESSION NO.:  
2000-687355 (2067)  
PRIORITY APPLIC. NO.: DE 1019124 APPLIC. DATE: 19990427  
NATIONAL APPLIC. NO.: WO 2000EP3844 APPLIC. DATE: 20000427  
LANGUAGE: German  
? t s14/k/1-6  
>>>KWIC option is not available in file(s): 41, 77, 399

14/K/1 (Item 1 from file: 5)  
DIALOG(R)File 5:(c) 2002 BIOSIS. All rts. reserv.

HARO7 encodes **chorismate mutase** of the methylotrophic yeast  
**Hansenula polymorpha** and is derepressed upon methanol  
utilization.

ABSTRACT: The HARO7 gene of the methylotrophic, thermotolerant yeast  
**Hansenula polymorpha** was cloned by functional  
complementation. HARO7 encodes a monofunctional 280-amino-acid protein  
with **chorismate mutase** (EC 5.4.99.5) activity that catalyzes  
the conversion of chorismate to prephenate, a...

...amino acids. The HARO7 gene product shows strong similarities to primary  
sequences of known eukaryotic **chorismate mutase** enzymes.  
After homologous overexpression and purification of the 32-kDa protein,

its kinetic parameters (kcat...

...and the thermal stability of the enzyme were determined and compared to features of the **chorismate mutase** enzyme of *Saccharomyces cerevisiae*. Using the Cre-loxP recombination system, we constructed mutant strains carrying...

...REGISTRY NUMBERS: **CHORISMATE MUTASE**;

DESCRIPTORS:

...ORGANISMS: **Hansenula polymorpha** (Ascomycetes

CHEMICALS & BIOCHEMICALS: ...**chorismate mutase** (EC 5.4.99.5

...

...**Hansenula polymorpha** HAR07 gene (Ascomycetes)

14/K/2 (Item 2 from file: 5)

DIALOG(R)File 5:(c) 2002 BIOSIS. All rts. reserv.

ENZYMIC PROPERTIES OF **CHORISMATE MUTASE** FROM **HANSENULA-POLYMORPHA**

ABSTRACT: **Chorismate mutase** was partially purified from a cell free extract of the methanol utilizing yeast *H. polymorpha*...

14/K/3 (Item 3 from file: 5)

DIALOG(R)File 5:(c) 2002 BIOSIS. All rts. reserv.

TRYPTOPHAN EXCRETION BY A BRADYTROPH OF **HANSENULA-POLYMORPHA** GROWING IN METHANOL

...ABSTRACT: protein production] was stimulated by tyrosine and phenylalanine. The mutant contained about half as much **chorismate mutase** activity as the wild-type strain. When grown in a medium containing 2% methanol as...

DESCRIPTORS: SINGLE CELL PROTEIN **CHORISMATE MUTASE**

14/K/4 (Item 1 from file: 34)

DIALOG(R)File 34:(c) 2002 Inst for Sci Info. All rts. reserv.

Title: HAR07 encodes **chorismate mutase** of the methylotrophic yeast **Hansenula polymorpha** and is derepressed upon methanol utilization

...Abstract: **polymorpha** was cloned by functional complementation. HAR07 encodes a monofunctional 280-amino-acid protein with **chorismate mutase** (EC 5.4.99.5) activity that catalyzes the conversion of chorismate to prephenate, a...

...amino acids. The HAR07 gene product shows strong similarities to primary sequences of known eukaryotic **chorismate mutase** enzymes. After homologous overexpression and purification of the 32-kDa protein, its kinetic parameters (k...

...and the thermal stability of the enzyme were determined and compared to features of the **chorismate mutase** enzyme of *Saccharomyces cerevisiae*. Using the Cre-loxP recombination system, we constructed mutant strains carrying...

14/K/5 (Item 1 from file: 73)

DIALOG(R)File 73:(c) 2002 Elsevier Science B.V. All rts. reserv.

The methylotrophic yeast **Hansenula polymorpha**: Its use in



fundamental research and as a cell factory

DRUG DESCRIPTORS:

...fungal DNA--endogenous compound--ec; galactose oxidase--endogenous compound--ec; amino acid--endogenous compound--ec; **chorismate mutase**--endogenous compound--ec; gelatin; human serum albumin; trehalose--endogenous compound--ec; phosphate--endogenous compound--ec...

MEDICAL DESCRIPTORS:

\***Hansenula polymorpha**

...CAS REGISTRY NO.: 2 (catalase); 9028-79-9 (galactose oxidase); 65072-01-7 (amino acid); 9068-30-8 (**chorismate mutase**); 9000-70-8 (gelatin); 9048-49-1 (human serum albumin); 99-20-7 (trehalose); 14066...

14/K/6 (Item 1 from file: 357)

DIALOG(R) File 357:(c) 2002 Thomson Derwent & ISI. All rts. reserv.

Nucleic acids encoding **chorismate-mutase**, useful for preparing an auxotrophic selection system for recombinant protein expression - involving plasmid pME1525-mediated **Hansenula polymorpha** gene transfer for expression in *Saccharomyces cerevisiae*, CHO, COS, HeLa or insect cell culture

ABSTRACT: Nucleic acids (I) that encode a protein (II) with **chorismate-mutase** (CM, EC-5.4.99.5) activity, or its complementary strand, are claimed. (I) and...

... of transformed yeast on simple media. In an example, plasmid pME1525, containing a fragment of **Hansenula polymorpha** that included the sequence for CM was used to transform *Saccharomyces cerevisiae* RH2185 that has...

DESCRIPTORS: recombinant protein prep., **chorismate-mutase** act., antisense, antibody, vector plasmid pME1525-mediated **Hansenula polymorpha** gene transfer, expression in *Saccharomyces cerevisiae*, CHO, COS, HeLa, insect cell enzyme EC-5.4...

?

? show files

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File 6: NTIS 1964-2002/Jul W1  
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File 34: SciSearch(R) Cited Ref Sci 1990-2002/Jun W5  
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File 40: Enviroline(R) 1975-2002/May

File 41: Pollution Abs 1970-2002/Jul  
(c) 2002 Cambridge Scientific Abstracts

File 50: CAB Abstracts 1972-2002/May  
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File 65: Inside Conferences 1993-2002/Jun W4  
(c) 2002 BLDSC all rts. reserv.

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(c) 2002 Internl Academy at Santa Barbara

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File 357: Derwent Biotech Res. \_1982-2002/Mar W5

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File 358: Current BioTech Abs 1983-2001/Oct  
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